

Pedro C Redondo

List of Publications by Year in descending order

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62
papers

2,249
citations

201674

27
h-index

223800

46
g-index

62
all docs

62
docs citations

62
times ranked

2246
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin induces mitochondrial-mediated apoptosis in human myeloid HL60 cells. <i>Journal of Pineal Research</i> , 2009, 46, 392-400.	7.4	128
2	Hydrogen Peroxide Generation Induces pp60 Activation in Human Platelets. <i>Journal of Biological Chemistry</i> , 2004, 279, 1665-1675.	3.4	119
3	TRPs in Pain Sensation. <i>Frontiers in Physiology</i> , 2017, 8, 392.	2.8	104
4	Melatonin Reduces Apoptosis Induced by Calcium Signaling in Human Leukocytes: Evidence for the Involvement of Mitochondria and Bax Activation. <i>Journal of Membrane Biology</i> , 2010, 233, 105-118.	2.1	98
5	Hydrogen peroxide and peroxynitrite enhance Ca ²⁺ mobilization and aggregation in platelets from type 2 diabetic patients. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 794-802.	2.1	94
6	Two distinct Ca ²⁺ compartments show differential sensitivity to thrombin, ADP and vasopressin in human platelets. <i>Cellular Signalling</i> , 2006, 18, 373-381.	3.6	91
7	Effect of hydrogen peroxide on Ca ²⁺ mobilisation in human platelets through sulphhydryl oxidation dependent and independent mechanisms. <i>Biochemical Pharmacology</i> , 2004, 67, 491-502.	4.4	83
8	Early caspase-3 activation independent of apoptosis is required for cellular function. <i>Journal of Cellular Physiology</i> , 2006, 209, 142-152.	4.1	83
9	Two Pathways for Store-mediated Calcium Entry Differentially Dependent on the Actin Cytoskeleton in Human Platelets. <i>Journal of Biological Chemistry</i> , 2004, 279, 29231-29235.	3.4	79
10	A role for cofilin in the activation of store-operated calcium entry by de novo conformational coupling in human platelets. <i>Blood</i> , 2006, 107, 973-979.	1.4	71
11	Phosphatidylinositol 4,5-bisphosphate enhances store-operated calcium entry through hTRPC6 channel in human platelets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 84-97.	4.1	71
12	TRPC6 Channels Are Required for Proliferation, Migration and Invasion of Breast Cancer Cell Lines by Modulation of Orai1 and Orai3 Surface Exposure. <i>Cancers</i> , 2018, 10, 331.	3.7	67
13	Dual effect of hydrogen peroxide on store-mediated calcium entry in human platelets. <i>Biochemical Pharmacology</i> , 2004, 67, 1065-1076.	4.4	66
14	Store-operated Ca ²⁺ entry: Vesicle fusion or reversible trafficking and de novo conformational coupling?. <i>Journal of Cellular Physiology</i> , 2005, 205, 262-269.	4.1	55
15	Intracellular Ca ²⁺ store depletion induces the formation of macromolecular complexes involving hTRPC1, hTRPC6, the type II IP3 receptor and SERCA3 in human platelets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 1163-1176.	4.1	54
16	Ca ²⁺ -independent activation of Bruton's tyrosine kinase is required for store-mediated Ca ²⁺ entry in human platelets. <i>Cellular Signalling</i> , 2005, 17, 1011-1021.	3.6	52
17	Evidence for secretion-like coupling involving pp60src in the activation and maintenance of store-mediated Ca ²⁺ entry in mouse pancreatic acinar cells. <i>Biochemical Journal</i> , 2003, 370, 255-263.	3.7	51
18	Store-Operated Ca ²⁺ Entry. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 349-382.	1.6	47

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19	Store-operated Ca ²⁺ entry and tyrosine kinase pp60src hyperactivity are modulated by hyperglycemia in platelets from patients with non insulin-dependent diabetes mellitus. Archives of Biochemistry and Biophysics, 2004, 432, 261-268.	3.0	45
20	Reduced plasma membrane Ca ²⁺ -ATPase function in platelets from patients with non-insulin-dependent diabetes mellitus. Haematologica, 2004, 89, 1142-4.	3.5	44
21	Endogenously generated reactive oxygen species reduce PMCA activity in platelets from patients with non-insulin-dependent diabetes mellitus. Platelets, 2006, 17, 283-288.	2.3	41
22	A role for SNAP-25 but not VAMPs in store-mediated Ca ²⁺ entry in human platelets. Journal of Physiology, 2004, 558, 99-109.	2.9	39
23	A role for 5,6-epoxyeicosatrienoic acid in calcium entry by de novo conformational coupling in human platelets. Journal of Physiology, 2006, 570, 309-323.	2.9	35
24	Dual role of tubulin-cytoskeleton in store-operated calcium entry in human platelets. Cellular Signalling, 2007, 19, 2147-2154.	3.6	32
25	STIM1 tyrosine-phosphorylation is required for STIM1-Orai1 association in human platelets. Cellular Signalling, 2012, 24, 1315-1322.	3.6	32
26	Dynamics of calcium fluxes in human platelets assessed in calcium-free medium. Biochemical and Biophysical Research Communications, 2005, 334, 779-786.	2.1	31
27	Store-operated Ca ²⁺ entry is sensitive to the extracellular Ca ²⁺ concentration through plasma membrane STIM1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1614-1622.	4.1	31
28	Filamin A Modulates Store-Operated Ca ²⁺ Entry by Regulating STIM1 (Stromal Interaction) Tj ETQq0 0 0 rgBT /Overlock 10 Biology, 2018, 38, 386-397.	2.4	26
29	FKBP52 is involved in the regulation of SOCE channels in the human platelets and MEG 01 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 652-662.	4.1	25
30	STIM1 phosphorylation at Y316 modulates its interaction with SARAF and the activation of SOCE and CRAC. Journal of Cell Science, 2019, 132, .	2.0	25
31	NO1, a New Sigma 2 Receptor/TMEM97 Fluorescent Ligand, Downregulates SOCE and Promotes Apoptosis in the Triple Negative Breast Cancer Cell Lines. Cancers, 2020, 12, 257.	3.7	25
32	SERCA2b and 3 play a regulatory role in store-operated calcium entry in human platelets. Cellular Signalling, 2008, 20, 337-346.	3.6	24
33	SERCA2b Activity Is Regulated by Cyclophilins in Human Platelets. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 419-425.	2.4	24
34	TRPC6 participates in the regulation of cytosolic basal calcium concentration in murine resting platelets. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 789-796.	4.1	23
35	Homocysteine induces caspase activation by endoplasmic reticulum stress in platelets from type 2 diabetics and healthy donors. Thrombosis and Haemostasis, 2010, 103, 1022-1032.	3.4	22
36	Cleavage of SNAP-25 and VAMP-2 impairs store-operated Ca ²⁺ entry in mouse pancreatic acinar cells. American Journal of Physiology - Cell Physiology, 2005, 288, C214-C221.	4.6	21

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37	Two distinct calcium pools in the endoplasmic reticulum of HEK-293T cells. <i>Biochemical Journal</i> , 2011, 435, 227-235.	3.7	20
38	Store-Operated Calcium Entry: Unveiling the Calcium Handling Signalplex. <i>International Review of Cell and Molecular Biology</i> , 2015, 316, 183-226.	3.2	20
39	Calcium Signalling and Reactive Oxygen Species in Non-Excitable Cells. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 409-415.	2.4	19
40	Long-term mTOR inhibitors administration evokes altered calcium homeostasis and platelet dysfunction in kidney transplant patients. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 636-647.	3.6	17
41	Involvement of stanniocalcins in the deregulation of glycaemia in obese mice and type 2 diabetic patients. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 684-694.	3.6	17
42	Orai2 Modulates Store-Operated Ca ²⁺ Entry and Cell Cycle Progression in Breast Cancer Cells. <i>Cancers</i> , 2022, 14, 114.	3.7	17
43	STIM1 regulates TRPC6 heteromultimerization and subcellular location. <i>Biochemical Journal</i> , 2014, 463, 373-381.	3.7	16
44	New Insights into Adipokines as Potential Biomarkers for Type-2 Diabetes Mellitus. <i>Current Medicinal Chemistry</i> , 2019, 26, 4119-4144.	2.4	16
45	Efecto colaborador de SERCA y PMCA en la homeostasis del calcio citosólico en plaquetas humanas. <i>Journal of Physiology and Biochemistry</i> , 2005, 61, 507-516.	3.0	14
46	PGRMC1 Inhibits Progesterone-Evoked Proliferation and Ca ²⁺ Entry Via STIM2 in MDA-MB-231 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7641.	4.1	14
47	Arachidonic Acid Attenuates Cell Proliferation, Migration and Viability by a Mechanism Independent on Calcium Entry. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3315.	4.1	14
48	Role of Calcium Signals on Hydrogen Peroxide-Induced Apoptosis in Human Myeloid HL-60 Cells. <i>International Journal of Biomedical Science</i> , 2009, 5, 246-56.	0.1	13
49	Twelve Weeks of Whole Body Vibration Training Improve Regucalcin, Body Composition and Physical Fitness in Postmenopausal Women: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3940.	2.6	12
50	Flavonoids and Platelet-Derived Thrombotic Disorders. <i>Current Medicinal Chemistry</i> , 2019, 26, 7035-7047.	2.4	12
51	Molecular Interplay between Platelets and the Vascular Wall in Thrombosis and Hemostasis. <i>Current Vascular Pharmacology</i> , 2013, 11, 409-430.	1.7	12
52	The canonical transient receptor potential 6 (TRPC6) channel is sensitive to extracellular pH in mouse platelets. <i>Blood Cells, Molecules, and Diseases</i> , 2014, 52, 108-115.	1.4	11
53	FKBP25 and FKBP38 regulate non-capacitative calcium entry through TRPC6. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2684-2696.	4.1	10
54	Stanniocalcin 2 Regulates Non-capacitative Ca ²⁺ Entry and Aggregation in Mouse Platelets. <i>Frontiers in Physiology</i> , 2018, 9, 266.	2.8	10

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55	Pathophysiological Significance of Store-Operated Calcium Entry in Cardiovascular and Skeletal Muscle Disorders and Angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 489-504.	1.6	10
56	Role of mTOR1 and mTOR2 complexes in MEG-01 cell physiology. <i>Thrombosis and Haemostasis</i> , 2015, 114, 969-981.	3.4	7
57	TMEM97 facilitates the activation of SOCE by downregulating the association of cholesterol to Orai1 in MDA-MB-231 cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158906.	2.4	6
58	Evaluation of the antiaggregant activity of ascorbyl phenolic esters with antioxidant properties. <i>Journal of Physiology and Biochemistry</i> , 2015, 71, 415-434.	3.0	4
59	Protein complex immunological separation assay (ProCISA): a technique for investigating single protein properties. <i>Journal of Physiology and Biochemistry</i> , 2008, 64, 169-177.	3.0	0
60	Editorial [Hot Topic: A Role for Immunophilins in Cellular Signalling in Health and Disease (Guest) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 Chemistry, 2011, 18, 5322-5323.	2.4	0
61	Fluorescence-Based Measurements of the CRAC Channel Activity in Cell Populations. <i>Methods in Molecular Biology</i> , 2018, 1843, 69-82.	0.9	0
62	New Evidence on Regucalcin, Body Composition, and Walking Ability Adaptations to Multicomponent Exercise Training in Functionally Limited and Frail Older Adults. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 363.	2.6	0